What is claimed is:

1. A gear assembly adapted to be mounted on a shaft, comprising:

a drum having an inner cylindrical wall adapted to be mounted on the shaft, an outer cylindrical wall, and a drum face connected to said inner cylindrical wall;

a gear ring mounted on and fixed to an outer circumference of the drum face; and

gear teeth formed on an outer circumference of the gear ring,

wherein a vector normal to the gear teeth at a radial and a vector perpendicular to the inner cylindrical wall at the radial have an angular difference that is less than 30°.

2. A system comprising:

a power generation system including:

an engine;

a shaft coupled to the engine; and

a spur gear mounted to the shaft; and

a receiving system including:

a shaft; and

a low angle face gear mounted to the shaft of the receiving system,

wherein the power generation system shaft and the receiving system shaft are positioned such that the spur gear drives the low angle face gear, and the shafts have an angular difference that is less than 30°.

3. The system of Claim 2, wherein the power generation system includes an engine.

4. The system of Claim 2, wherein the receiving system is a transmission.

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5. The system of Claim 4, wherein the transmission includes a rotary engine transmission.

6. The system of Claim 1, wherein the low angle face gear comprises:

a drum having an inner cylindrical wall adapted to be mounted on the receiving system shaft, and a drum face connected to said inner cylindrical wall;

a gear ring mounted on and fixed to the drum face; and

gear teeth formed on an outer circumference of the gear ring,

wherein a vector normal to the gear teeth at a radial and a vector perpendicular to the inner cylindrical wall at the radial have an angular difference that is less than 30°.

7. A system comprising:

a first system including:

a shaft; and

a spur gear mounted to the shaft; and

a second system including:

a shaft; and

a low angle face gear mounted to the shaft of the receiving system,

wherein the first system shaft and the second system shaft are positioned such that the spur gear drives the low angle face gear, and the shafts have an angular difference that is less than 30°.

8. The system of Claim 7, wherein the second system includes an engine.

9. The system of Claim 7, wherein the first system is a transmission.

10. The system of Claim 9, wherein the transmission includes a rotary engine transmission.

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11. The system of Claim 7, wherein the low angle face gear comprises:

a drum having an inner cylindrical wall adapted to be mounted on the receiving system shaft, and a drum face connected to said inner cylindrical wall;

a gear ring mounted on and fixed to the drum face; and

gear teeth formed on an outer circumference of the gear ring,

wherein a vector normal to the gear teeth at a radial and a vector perpendicular to the inner cylindrical wall at the radial have an angular difference that is less than 30°.

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